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# **Operations Report**

## **CDF Weekly Meeting**

**Nathan Eddy**



# Store Summary

Date	Store	Init L	Dur	Int L	Live L	$\epsilon$
6/26	2725	35.6	19.2	1344	1252	93.2%
6/27	2727	38.0	19.0	1490	1196	80.3%
6/28	2728	37.2	7.1	706	644	91.1%
6/29	2734	32.2	18.3	1162	1081	93.0%
6/30	2736	34.4	16.3	1186	1081	91.1%
7/1	2737	27.8	18.6	1103	913	82.8%
7/2	2740	22.8	7.3	448	412	92.0%
	Totals		105.8	7439	6579	88.4%



# Accelerator Status

- **Lost a Main Injector quadrapole magnet to ground fault**
- **All machines except pbar went into access yesterday**
- **Controlled Access**
  - Recovered 2 ISL ladders
  - Took radiation monitoring measurements
- **Magnet was replaced and accelerator operations resumed at 6am this morning**
- **Currently stacking and performing TeV studies**
- **Expect next HEP store this evening**



# Accelerator Plan

- Need to reach base goal of  $225\text{pb}^{-1}$  by Aug. 25 shutdown
- Currently delivered  $176\text{pb}^{-1}$  so need to average  $6\text{pb}^{-1}$  a week until the shutdown
- Since February they have delivered an average of  $4.7\text{pb}^{-1}$  per week
- No planned studies or maintenance periods until the average integrated luminosity to reach the base goal drops below  $4.7\text{pb}^{-1}$





# Summary

- Recorded **6.6pb<sup>-1</sup>** of **7.4pb<sup>-1</sup>** delivered this week
- Goal of 90% efficiency for remaining 50pb<sup>-1</sup>
- Stack and Store
- Have a “smooth” 4<sup>th</sup> of July weekend!